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EVALUATION OF INCREASED PAVEMENT LOADING

Volume II - Computer Program Documentation

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16. Abstract

The effects of increased truck loads and higher tire pressures on performance of flexible pavements were investigated in this project. This report documents four computer programs developed on the project.

Program FEDESAL performs equivalent load calculations using static truck weight loadometer data. Program WIMESAL performs equivalent load calculations from the previous two programs as well as traffic volume and classification data to calculate design traffic loads for existing pavement sections. Program McPAD performs mechanistic pavement designs using the mechanistic damage models developed on this project.

This volume is the second in a two volume series. Volume 1 summarizes the research results and findings from the entire study.

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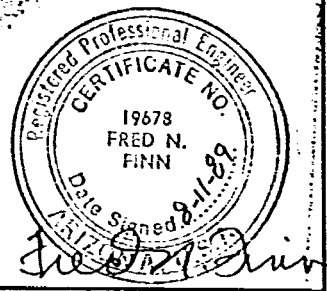

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